

# SUMMARY OF OPERATIONS FOR THE DESTRUCTION OF FORMER WATER-SUPPLY WELL NO. 1 at the FORMER BOEING REALTY CORPORATION C-6 FACILITY 19503 SOUTH NORMANDIE AVENUE LOS ANGELES, CALIFORNIA

## Prepared for:

Kennedy/Jenks Consultants Irvine, California and Boeing Realty Corporation Long Beach, California

## Prepared by:

Richard C. Slade & Associates LLC Consulting Groundwater Geologists North Hollywood, California

> RCS Job No. S2057 July 2001

**Boeing Realty Corporation** 

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FAX: 562-627-4906

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24 August 2001 C6-BRC-T-01-016

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD Los Angeles Region 320 W. 4<sup>th</sup> Street, Suite 200 Los Angeles, CA 90013

Attention:

John Geroch

Subject:

SUMMARY OF OPERATIONS FOR THE DESTRUCTION OF FORMER WATER SUPPLY WELL NO. 1 AND ADDENDUM TO SUMMARY OF WELL DESTRUCTION OPERATIONS OF TWO

WATER SUPPLY WELLS FOR BOEING REALTY

**CORPORATION, FORMER C-6 FACILITY, 19503 SOUTH** 

NORMANDIE AVENUE, LOS ANGELES, CA

Dear Mr. Geroch:

Please find enclosed for your file, copies of the subject documents prepared by Richard C. Slade & Associates LLC for Boeing Realty Corporation.

If you have any questions concerning this document, please contact the undersigned at 562-593-8623.

Sincerely,

Stephanie Sibbett

**Boeing Realty Corporation** 

Cc: Mario Stavale, Boeing Realty Corporation

enclosure

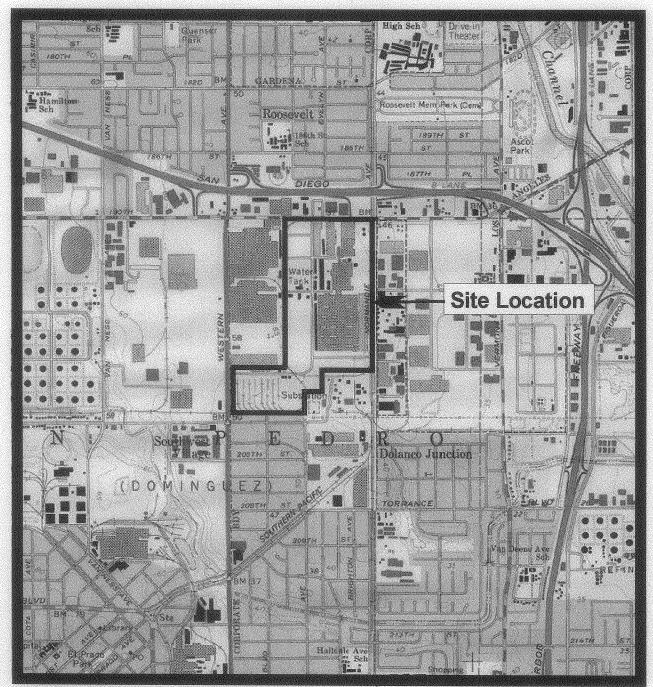


## INTRODUCTION

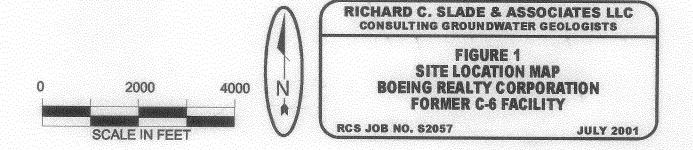
This Summary of Operations report has been prepared to document procedures and methods used in the destruction of a former water-supply well at the Former Boeing Realty Corporation (BRC) C-6 Facility. This facility, as shown on Figure 1 -Site Location Map- is located on the southwest corner of the intersection of 190th Street and Normandie Avenue, in the City of Los Angeles, California. Figure 2 -Well Location Map- illustrates the approximate locations of the recently destroyed Well No. 1 and of two other water-supply wells at the facility that were previously destroyed in 1998.

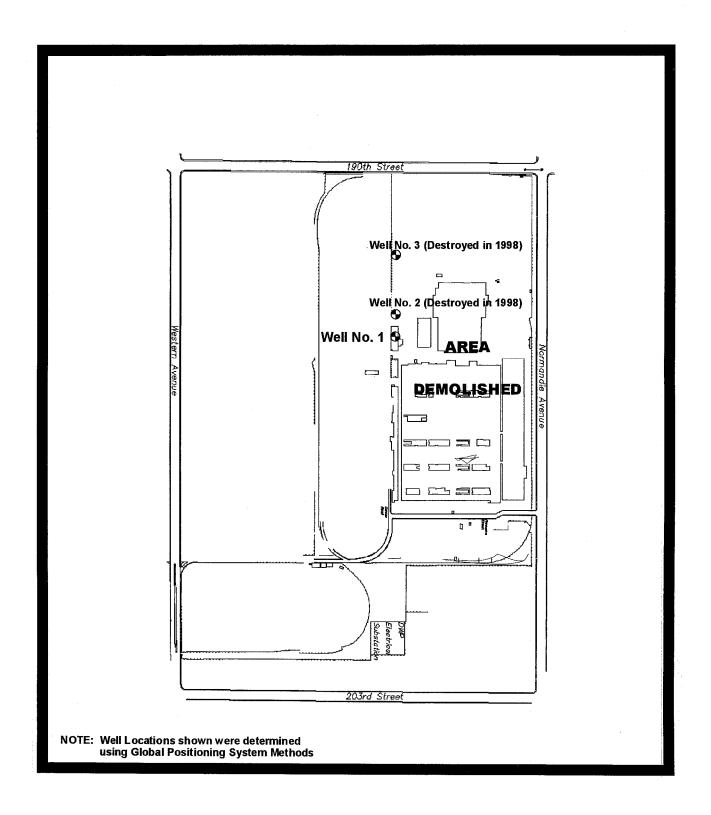
Beylik Drilling Company (Beylik) of La Habra, California was the contractor that performed the destruction work for Well No. 1. Richard C. Slade & Associates LLC, Consulting Groundwater Geologists (RCS), prepared a Workplan (dated February 2001), for destruction of the well and field personnel were present to observe the well destruction work during specific tasks, as herein described. RCS personnel also maintained liaison with personnel from Beylik and Kennedy/Jenks Consultants (KJC; primarily Mr. Robert Logan) to provide in-progress information during well destruction activities. Further, Los Angeles County Department of Health Services (LACDHS) personnel (primarily Mr. Michael Lui) were also notified of ongoing well destruction activities by RCS and Beylik.

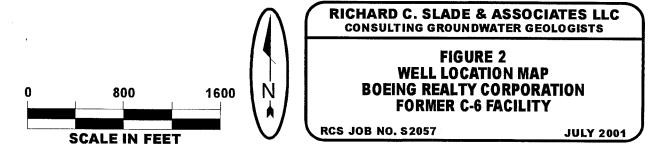
Destruction procedures were performed by Beylik based on the RCS-prepared Workplan dated February 2001 and were conducted in accordance with current California Department of Water Resources (DWR) well standards as outlined in DWR Bulletin 74-81 and its Draft supplement Bulletin 74-90. Prior to commencement of well destruction activities, a LACDHS Well Destruction Permit was obtained by Beylik. A copy of this well destruction permit is included in Appendix 1.



Base Map: USGS 7.5-minute Torrance Topographic Quadrangle







14



# **BACKGROUND INFORMATION**

Available historic information reveals that three water-supply wells (Nos. 1, 2, and 3) were constructed at the subject site in 1942. According to Los Angeles County Department of Public Works, Flood Control District (LACFCD) data, the three wells were designated as follows:

Owner Well Number	LACFCD Well Number	U.S. Geological Survey Number	California Department of Water Resources Number
1	794A	T4S/R14W-1H1	T4S/R14W-1F1
2	794B	T4S/R14W-1H2	T4S/R14W-1F2
3	794C	T4S/R14W-1H3	T4S/R14W-1F3

Original drillers' logs reveal that Well Nos. 1, 2 and 3 were drilled for the Aluminum Corporation of America (ALCOA) between July and September 1942. Well Nos. 2 and 3 were destroyed in June 1998 and a report documenting destruction of these wells, as prepared by our firm, was previously submitted to BRC in September 1998. At that time, although the status of Well No. 1 was not known, its general location was preliminarily identified by RCS personnel, using information on the driller's log, as being beneath an existing building.

During subsequent demolition activities of buildings at the site in the later part of 2000, Well No. 1 was discovered beneath the suspected building and examined by KJC personnel. The depth to the bottom of the well was measured by KJC personnel and reported as being 560 ft below ground surface (bgs). As a result of the field discovery of Well No. 1, preparation of the Workplan for destruction of the well was initiated by BRC.



Well No. 1 was drilled by the Roscoe Moss Company of Los Angeles using the cable tool drilling method in October 1942. The following table shows the construction parameters for the well as documented in the original driller's log.

Depth (ft, bgs)	Diameter of Steel Casing (inches)	Perforation Intervals (ft, bgs)
600	14	473 to 514

The perforations in the well were documented as being 5/16 inches in width and having 8 perforations per row. A copy of the original driller's log for the well is provided in Appendix 2.

# WELL DESTRUCTION PROCEDURES

The following work items were conducted during destruction of Well No. 1.

# 1. <u>Preparation of Water in Casing for Video Surveying</u>

On April 5, 2001, the water in the well casing was prepared for video surveying by emplacing a flocculant to remove and/or settle suspended material in the fluid column; the material used was the polymer flocculant Barofloc<sup>TM</sup>. This inert mixture was poured directly down the well from ground surface; this was followed by similarly emplacing approximately 500 gallons of water. Following flocculant and water application, the well was allowed to set for a period of approximately 24 hours prior to conducting the video survey.





# 2. Water Well Video Survey

Following preparation of the fluid column in the well, a video survey was performed on April 6, 2001. This video survey used a combination vertical/sidescan color camera to examine and document, on VHS tape, the field of view of the blank and perforated sections of the well casing during the vertical descent of the camera into the well. The sidescan option was used to examine, at selected depths and where deemed necessary, the physical condition of the casing and/or perforations.

The video survey was performed by Water Well Developers, Inc. of Anaheim, California. An RCS geologist was present to observe and record the results of the video survey. A record of those observations is included in Appendix 3. In addition, Beylik and KJC personnel were also present to observe the video survey of the well.

Observation of the video survey for Well No. 1 revealed that the static water surface in the well on April 6, 2001 occurred at a depth of approximately 63 ft bgs. Observations also indicated that the depths of the perforation intervals matched those reported in the original driller's log. However, a majority of the perforations appeared to be completely clogged or had not been originally placed (cut) through the walls of the casing during its construction. In addition, the casing generally appeared to be clear of encrusting material and the casing joints in the well were easily seen at four-foot depth intervals. Further, the casing walls of the well appeared to be "dimpled" throughout the entire well depth. Sediment fill was encountered near the bottom of the well at a depth of approximately 552 ft bgs. This amounts to a sediment fill thickness of approximately 48 ft.

#### 3. Bailing and Sampling of Sediment Fill

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The sediment fill that had been observed to occur in the bottom of the well was removed by bailing. This bailing also permitted the collection of a sediment sample which could then be submitted to a laboratory for analysis of Workplan-specified analytes. The objective of



the sampling and analysis was to determine how to dispose of the sediment fill. The bailed sediment fill was placed in a Visquine-lined excavation for temporary storage.

Bailing consisted of lowering a 10-inch-diameter metal bailer equipped with a single bottom end flap to the bottom of the well to capture and lift the collected sediment fill to the surface. After the bailer had been lowered to the bottom of the well, it was repeatedly lowered and raised in short increments to move sediment up into the bailer. The bailer was then brought to the surface with the contents being placed into the lined excavation.

Bailing of sediment in the well was conducted on April 16 and 17, 2001 and resulted in the removal of approximately 47 vertical feet of sediment from the bottom of the well. An RCS geologist was present during bailing of the sediment fill.

Following bailing, the depth of the well was measured by Beylik personnel and reported to RCS personnel to be at a depth of 599 ft bgs. The volume of sediment bailed was estimated to be approximately 1.8 cubic yards (yd³).

The sediment bailed from the bottom of the well generally consisted of a medium to dark gray, medium- to coarse-grained sand. This material appeared to be native material.

A composite sediment sample of the bailed material was submitted to American Analytics Laboratory in Chatsworth, California, and analyzed for volatile organic compounds (VOCs, by EPA Method 8260), semi-volatile organic compounds (SVOCs, by EPA Method 8270), metals (including Chromium VI), and pH. Copies of the results of laboratory analyses for the sediment samples from the well are included in Appendix 4.

Results of laboratory analysis of the composite sediment sample revealed that VOCs and SVOCs were not detected in the sediment sample. However, the metals arsenic (As), Barium (Ba), Chromium (Cr), Copper (Cu), Nickel (Ni), Vanadium (V), and Zinc (Zn) were detected. Further, chromium VI was reportedly not detected in the sediment sample. The following table summarizes the results of the metals analyses listed together with their respective Total Threshold Limit Concentration (TTLC) and Soluble Threshold Limit Concentration (STLC) values.

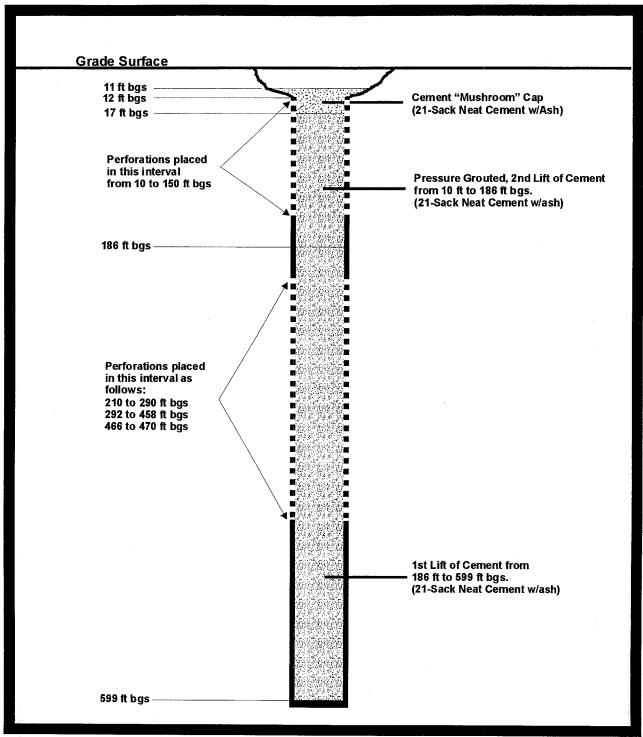


Detected Metal	Sample Result (mg/Kg)	TTLC Maximum Limit (mg/Kg)	STLC Maximum Limit (mg/l)
As	2.2	500	5.0
Ba	23	10,000	100
Cr (total)	11	2,500	5
Cu	59	2,500	25
Ni	18	2,000	20
V	11	2,400	24
Zn	14	5,000	250

Because the detected metal concentrations were not above their respective TTLC values, the soil is considered to be non-hazardous. Further, because the detected metal concentrations are not greater than 10 times their respective STLC values, then the Toxicity Characteristic Leaching Procedure did not need to be performed. Thus, based on the above laboratory data, the soil is considered to be non-hazardous and suitable for reuse onsite.

## 4. First Stage of New Casing Perforations

Cutting of additional perforations into the well casing was performed in two stages and was conducted as a preliminary step before emplacing the downwell cement seals required by the Workplan. The first stage of perforating consisted of adding new perforations below a depth of approximately 210 ft bgs. A single-tooth Mills knife mechanical perforator was used to perforate the casing. Perforations consisted of 8 cuts per row, with each row being approximately one foot apart. Figure 3 –Well No. 1 Destruction Schematic –diagrammatically illustrates the perforation depths in the lower portion of the well, below 150 ft bgs.



Not to Scale Some Features Exaggerated for Display Purposes

RICHARD C. SLADE & ASSOCIATES LLC CONSULTING GROUNDWATER GEOLOGISTS

FIGURE 3
WELL NO. 1 DESTRUCTION SCHEMATIC
BOEING REALTY COMPANY
FORMER C-6 FACILITY

RCS JOB NO. S2057

**JULY 2001** 



This first stage of new perforations was placed in the following depth intervals, in accordance with the Workplan:

Set Number	Depth Interval (ft bgs)
1	210 to 290
2	292 to 458
3	466 to 470

The first stage of cutting the new perforations was conducted between May 8 to 10, 2001. An RCS geologist was present onsite during the first stage of perforating. In addition, Mr. Michael Lui, Health Inspector for LACDHS, was also present during the initial stages on May 8 to witness a part of this perforating stage.

## 5. <u>Lower Cement Seal</u>

On May 11, 2001, the sealing of the lower part of the well (below 150 ft bg) was performed, prior to conducting the second stage of casing perforating. The cement grout used consisted of a 21-sack neat cement mix grout with ash. Cement used for the seal was a standard brand Portland cement conforming to ASTM C150, Type II. The water-cement ratio was about 5 gallons of water per sack of cement (94 pounds). Mr. Lui, LACDHS inspector, and an RCS geologist were present to witness this initial cementing of the casing.

The cement grout was injected into the well casing beginning near the bottom of the well and then working upward by means of a temporary grout tremie pipe, in the bottom of which had been initially placed inside the well casing at a depth of 580 ft bgs. Cement grout materials were placed by a positive displacement method using pumping. During this process, water displaced by the cementing operation was directed, via pumping, into an onsite Baker Tank for later disposal by BRC. However, very little water was pumped from the well into the



Baker Tank, indicating that the majority of the water had been displaced outward from the well through the perforations during the grouting process.

A total of approximately 16 yd³ of neat cement were used to fill the lower portion of the casing below 150 ft. Following approximately two days of curing, the top of the cement was measured by Beylik personnel to be at a depth of approximately 186 ft bgs. In comparison, it was calculated that approximately 16.1 yd³ of cement would be needed to fill this interval. Thus, there is close agreement between the amount of cement used and the amount calculated to fill the interval. Copies of the cement delivery tickets are presented in Appendix 5. Figure 3 illustrates the lower cement seal.

#### 6. Second Stage of New Casing Perforations

The second stage of cutting new perforations in the well casing was performed between the depths of 10 ft and 150 ft bgs. The single-tooth Mills knife mechanical perforator used during the first stage of perforating was also used in this stage of perforating and, as in the first stage, perforations consisted of 8 cuts per row, with each row being approximately one foot apart. This second stage of cutting new perforations was conducted on May 14, 2001. During this stage, an RCS geologist was present onsite to observe contractor operations. Figure 3 illustrates the upper set of perforations above 150 ft bgs.

# 7. <u>Installation (Pressure Grouting) of Upper Cement Seal</u>

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On May 15, 2001, installation of an inflatable packer commenced. This packer was to be placed to a depth of 10 ft bgs, with 140 ft of temporary tremie pipe extending into the casing beneath the packer. However, during the final stages of the installation of the packer, the tremie pipe above the packer became separated and the packer assembly and tremie pipe were lost downhole. After a few hours of trying to retrieve the packer, Beylik personnel left the site to obtain additional tools to help retrieve the packer.

9



On May 16, 2001, pressure grouting of the upper part of the well between the depths of 10 ft and 186 ft bgs was performed by Beylik personnel. However, because Beylik personnel did not notify either RCS or LACDHS personnel that the inflatable packer had been retrieved or when the cement was to be delivered, RCS and LACDHS personnel were not present to witness the pressure grouting activities. Beylik personnel confirmed that the packer and tremie pipe were retrieved on May 16, 2001.

Based on the cement delivery tickets presented to RCS, the cement grout used for the second stage of sealing consisted of a 21-sack neat cement mix grout with ash. Cement used for the seal was a standard brand Portland cement conforming to ASTM C150, Type II. The water-cement ratio was about 5 gallons of water per sack of cement (94 pounds).

A total of 8 yd³ of neat cement were reportedly used to fill the upper portion of the casing between 10 ft and 186 ft bgs. However, it was later reported that the cement was actually measured at a depth of 17 ft bgs. Based on that measurement, it was calculated that approximately 6½ yd³ of cement was needed to fill this interval. Thus, approximately 1½ yd³ of cement appeared to have seeped outward from the well through the perforations. A copy of the cement delivery ticket for the 10 to 186-foot interval is presented in Appendix 5. Figure 3 illustrates the upper cement seal.

## 8. Installation of Mushroom Cap

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On May 17, 2001, the area around the top of the well casing was excavated using a backhoe to a depth of approximately 12 ft bgs. The exposed casing was cut off at a depth of approximately 12 ft bgs and the cement mushroom cap was installed up to a depth of approximately 11 ft bgs. Approximately 4 yd³ of a 21-sack neat cement grout (with ash) were used in the installation of the mushroom cap on the well. A copy of the cement delivery ticket is included in Appendix 5. Figure 3 diagrammatically illustrates the cement mushroom cap above the well.

LACDHS and RCS personnel were present to observe emplacement of the mushroom cap. After the mushroom cap was set, personnel from LACDHS, Beylik, and RCS



left the site. At the request of Mr. Richard Farson of Haley Aldrich, BRC's representative at the time onsite, the excavation was left open for later backfilling and compaction by the grading contractor.

# <u>Closure</u>

The following summarizes destruction operations for former water supply Well No. 1 at the former BRC C-6 Facility:

- A. An inert polymer additive (Barafloc) was applied to the water in the well to improve water clarity for a video survey in the well.
- B. Observation of the video survey revealed a static water level on April 6, 2001 in the well occurred at a depth of approximately 63 ft bgs. Sediment fill was encountered in the well at a depth of approximately 552 ft bgs. Generally, the well casing appeared to be relatively free of any encrusting material or scale/biofilm, and perforations in the casing were generally clogged or appeared not to have been installed through the wall of the casing during well construction.
- C. Laboratory analyses of a sample of sediment from near the bottom of the well indicated that the sediment is considered to be native earth materials and are deemed to be non-hazardous. The material was reused onsite by BRC.
- D. Due to the clogged to partially clogged condition of the perforations in the well, a single-tooth mechanical casing perforator tool was used to place additional perforations in the well. Additional perforations were placed between the depths of 10 ft and 150 ft bgs, 210 ft to 290 ft bgs, 292 ft and 458 ft bgs, and 466 ft to 470 ft bgs. These perforations were placed in two stages with cementing of the lower portion of the well being performed between each stage.
- E. Following the first stage of additional perforations, the initial stage of cement sealing was performed. In this initial stage of cement sealing, neat cement grout was placed between a depth of 186 ft and 599 ft bgs; a total of 16 yd³ of cement was used in this stage of cementing.



- F. After the first stage of grouting in the well, additional perforations were installed in the well casing. This second stage of new perforations was placed between a depth of 10 ft and 150 ft bgs.
- A second lift of grout was then placed after the additional perforations had G. been cut into the casing. The remaining well casing was pressure grouted during this second cement stage from a depth of 186 ft up to 10 ft bgs. Approximately 8 yd3 of cement were used to pressure grout the well between these depths.
- The final phase of well destruction involved the placement of the mushroom Н. cap. The area around the top of the well casing was excavated to a depth ranging from 6 to 7 ft. Following this, the exposed well casing was cut off to a depth of approximately 6 ft bgs, and 4 yd3 of cement grout were used to fill the remaining well casing to a height of approximately one-foot above the top of the well. After installation of this mushroom cap, the small excavation was backfilled, thereby completing the destruction of Well No. 1.

The above-described procedures were conducted in accordance with the Site Workplan and in accordance with DWR Bulletin 75-81 and its Draft Supplement Bulletin 74-90 guidelines. As a result, destruction of the well has been completed and project closure has been achieved. The attachments and appendices complete this report.

\ PENSEE No. 134 CERTIFIED

> SLADE No. 929

Respectfully submitted RICHARD C. SLADE & ASSOCIATES

Earl F. LaPensee

Certified Hydrogeologist No. 13/

RED GEOLOGIS RICHARD C. CERTIFIED Engineering **GEOLOGIST** 

Richard C. Slade

Certified Engineering Geologist No. 939



# APPENDIX 1 WELL DESTRUCTION PERMIT

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# APPENDIX 2 ORIGINAL DRILLER'S LOG OF WELL

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APPENDIX 3 VIDEO SURVEY LOG

139



APPENDIX 3 VIDEO SURVEY LOG

Hay

- 460

# Water Well Redevelopers, Inc.

PHONE: (714) 632-7003 (800) 213-5095

2881 BLUE STAR STREET ANAHEIM, CALIFORNIA 92806

FAX: (714) 632-7306 http://www.sonar-jet.com

# VIDEOLOG FIELD REPORT

OWNER	Boeing Co	orporation		WELL LOCATION	.2 mi. Sc	outh of 190th S.	t. & 75' East of
,	190th & )	<i>Normandie</i>		_	Harborg	ate Ave.	
	Torrance,	CA		<del></del>	Los Ange	eles, CA	
WELL NO.		I	TECHN	ICIAN: BIC	UNIT NO.	2 DATE:	04-06-01
WELL HIS	STORY						
CASING:		14"-0' to	600'	PERFORATIONS:		472'-	511'
		Stovepij	pe	_			
		(Per Driller	's Log)	- -		Per Videolog (i	DC) 04-06-01)
DRILLEO		<i>942</i> BY	Roscoe Moss	TYPE Cab	le Tool	PERF. TYPE	Moss Hydraulic
PUMP: T	YPE N	A COLUMN	N/A	BOMF8	N/A	DEPTH OF INT	ake <i>N/A</i>
AIDEOFO AIDEOFO METT HIS.			551' WATER	ated bidg.; to be visiвіцту		ed Poor Fair C	Good Poor
VIDEOLO	G DC	REVIDEO	L	09 ТО	Beylik	TAPE TO	Beylik/R.Slade
REMARKS	i;						
ALL DEPTUS	RECORDED	FROM PRESENT G	ROUND LEVEL.				
CAMERA CE	ntering gu	UDE SET AT 12° I.D.	DURING SURVEY.	no drag noted	WHILE DES	SCENDING.	
		TVELY CLEAN PRO CAN BE SEEN PRO		80' TO 551', WHERE	VISIBLE A	MODERATE TO	LIGHT CRUSTY UNIFORM
			TY TO NEAR ZERO TO 551" (BOTTOM).	AT 61' (STATIC), V	VITH GRAD	ual clearing 1	o 165'. Water is again
Casing Peri	ODICALLY	exhibits many li	GHT, ROUNDED, IN	WARD DENTS BET	WBEN 280'	AND 500'.	
MAJORITY O	P PERFORAT	itons appear res	STRICTED, PLUGGE	ED OR NOT ENTIRE	LY CUT FR	OM 472' TO 511'.	
OTHER THAN VISIBLE.	(ABOVB, CA	sing, Joints and	PERFORATIONS AP	PEAR RELATIVEL	Y CLBAN A	ND IN NORMAL (	CONDITION, WILERE







# APPENDIX 4 RESULTS OF LABORATORY ANALYSIS OF WELL BOTTOM SEDIMENT SAMPLE

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Page

Client: Richard C. Slade & Assoc.

Project No.: 52057

Project Name: Boeing Well No.1

Sample Matrix: Soil

Method: EPA 9045 (pH Measurement)

AA Project No.: A44203 Date Received: 04/17/01

Date Reported: 04/18/01

Units: pH

AA I.D. No.	Client I.D. No.	Date Sampled	Date Analyzed	Results	MRL
119469	Well No.1	04/16/01	04/17/01	7.07	0.01

MRL: Method Reporting Limit



Page 1

Client: Richard C. Slade & Assoc.

Project No.: 52057

Project Name: Boeing Well No.1

Sample Matrix: Soil Method: CAM Metals AA Project No.: A44203 Date Received: 04/17/01 Date Reported: 04/24/01

Units: mg/Kg

Date Sampled:	04/16/01	
Date Analyzed: AA ID No.: Client ID No.:	04/20/01 119469 Well No.1	MR
Compounds:		
Antimony	<10	10
Arsenic	2.2	0.5
Barium	23	10
Beryllium	<1	1
Cadmium	<1	1
Chromium	11	3
Cobalt	<3	3
Copper	59	3
_ead	<3	3
Mercury	< 0.05	0.05
Molybdenum	<5	5
Nickel	18	3
Selenium	<0.5	0.5
Silver	<1	1
Thallium	<5	5
/anadium	11	10
Zinc	14	3

MRL: Method Reporting Limit



# LABORATORY QA/QC REPORT

Page 1

Client: Richard C. Slade & Assoc. Project Name: Boeing Well No.1

Method: CAM Metals Sample ID: Matrix Spike Concentration: 50 mg/Kg AA ID No.: 119469 Project No.: 52057 AA Project No.: A44203 Date Analyzed: 04/20/01 Date Reported: 04/25/01

Compounds	Result (mg/Kg)	Spike Recovery (%)	Dup. Result (mg/Kg)	Spike/Dup. Recovery (%)	RPD (%)	Accept.Rec Range (%)
Antimony	28.9	58	29.2	58	0	20 - 120
Arsenic	39.9	80	39.8	80	0	50 - 150
Barium	49.8	100	51.3	103	3	50 - 150
Beryllium	48.7	97	45.0	90	7	50 - 150
Cadmium	33.8	68	35.6	71	4	50 - 150
Chromium	45.7	91	49.6	99	8	50 - 150
Cobalt	45.0	90	47.6	95	5	50 - 150
Copper	81.0	162	78.0	156	4	50 - 150
Lead	46.9	94	47.0	94	0	50 - 150
Mercury	47.1	94	45.9	92	2	50 - 150
Molybdenum	60.0	120	50.0	100	18	50 - 150
Nickel	47.3	95	50.5	101	6	50 - 150
Selenium	42.0	84	41.1	82	2	50 - 150
Silver	48.6	97	48.5	97	0	50 - 150
Thallium	45.8	92	45.0	90	2	50 - 150
Vanadium	47.8	96	44.0	88	9	50 - 150
Zinc	43.6	87	45.2	90	3	50 - 150



Page

Client: Richard C. Slade & Assoc.

Project No.: 52057

Project Name: Boeing Well No.1

Sample Matrix: Soil

Method: EPA 7196 (Hexavalent Cr)

AA Project No.: A44203 Date Received: 04/17/01 Date Reported: 04/18/01

Units: mg/Kg

AA I.D. No.	Client I.D. No.	Date Sampled	Date Analyzed	Results	MRL
119469	Well No.1	04/16/01	04/17/01	<0.5	0.5

MRL: Method Reporting Limit

George Havalias



# **LABORATORY QA/QC REPORT**

Page 1

Client: Richard C. Slade & Assoc. Project Name: Boeing Well No.1 Method: EPA 7196 (Hexavalent Cr)

Sample ID: Matrix Spike Concentration: 0.2 mg/Kg

AA ID No.: 119469 Project No.: 52057 AA Project No.: A44203 Date Analyzed: 04/17/01 Date Reported: 04/18/01

Compounds	Result (mg/Kg)	Spike Recovery (%)	Dup. Result (mg/Kg)	Spike/Dup. Recovery (%)	RPD (%)	Accept.Rec. Range (%)
Chromium(Hex)	0.197	99.0	0.19	95.0	4.1	50 - 150



Page 1

Client: Richard C. Slade & Assoc.

Project No.: 52057

Project Name: Boeing Well No.1

Sample Matrix: Soil Method: EPA 8260B AA Project No.: A44203 Date Received: 04/17/01

Date Reported: 04/23/01

Units: ug/Kg

Date Sampled:	04/16/01		 	
Date Analyzed: AA ID No.: Client ID No.:	04/20/01 119469 Well No.1			MRL
Compounds:				
Acetone	<50			50
Benzene	<2			2
Bromobenzene	<5			5
Bromochloromethane	<5			5
Bromodichloromethane	<5			5
Bromoform	<5			5
Bromomethane	<5			5
2-Butanone	<50			50
Butylbenzene	<5			5
Carbon disulfide	<5			5
Carbon tetrachloride	<5			5
Chlorobenzene	<5			5
Chloroethane	<5			5
Chloroform	<5			5
Chloromethane	<5			5
2-Chlorotoluene	<5			5
4-Chlorotoluene	<5			5
1,2-Dibromo-3-chloropropa	ne <10			10
Dibromochloromethane	<5			5
1,2-Dibromoethane	<5			5
Dibromomethane	<5		4	5
1,2-Dichlorobenzene	<5			5
1,3-Dichlorobenzene	<5			5
1,4-Dichlorobenzene	<5			5
Dichlorodifluoromethane	<5			5



Page 2

Client: Richard C. Slade & Assoc.

Project No.: 52057

Project Name: Boeing Well No.1

Sample Matrix: Soil Method: EPA 8260B AA Project No.: A44203 Date Received: 04/17/01 Date Reported: 04/23/01

Units: ug/Kg

Date Sampled:	04/16/01		NA.
Date Analyzed: AA ID No.:	04/20/01		
Client ID No.:	119469 Well No.1		MRL
Compounds:			
1,1-Dichloroethane	<5		5
1,2-Dichloroethane	<5		5
1,2-Dichloroethene-(cis)	<5		5
1,2-Dichloroethene-(trans)	<5		5
1,1-Dichloroethene	<5	,	5
1,2-Dichloropropane	<5		5
1,3-Dichloropropane	<5		5
2,2-Dichloropropane	<5		5
1,3-Dichloropropene-(cis)	<5		5
1,3-Dichloropropene-(trans)	<5		5
1,1-Dichloropropene	<5		5
Ethylbenzene	<2		2
Hexachlorobutadiene	<10		10
2-Hexanone	<50		50
Isopropylbenzene	<5		5
Isopropyltoluene	<10		10
Methyl tert-Butyl Ether	<5		5
4-Methyl-2-pentanone	<50		50
Methylene chloride	<50		50
Naphthalene	<10		10
Propylbenzene	<5		5
Styrene	<5		5
1,1,1,2-Tetrachloroethane	<5		5
1,1,2,2-Tetrachloroethane	<5		5
Tetrachloroethene	<5		5
,			<u> </u>



Page 3

Client: Richard C. Slade & Assoc.

Project No.: 52057

Project Name: Boeing Well No.1

Sample Matrix: Soil Method: EPA 8260B AA Project No.: A44203 Date Received: 04/17/01 Date Reported: 04/23/01

Units: ug/Kg

Date Sampled:	04/16/01	
Date Analyzed: AA ID No.: Client ID No.:	04/20/01 119469 Well No.1	MRL
Compounds:		
Toluene	<2	2
1,2,3-Trichlorobenzene	<5	5
1,2,4-Trichlorobenzene	<5	5
1,1,1-Trichloroethane	<5	5
1,1,2-Trichloroethane	<5	5
Trichloroethene	<5	5
Trichlorofluoromethane	<5	5
1,2,3-Trichloropropane	<5	5
1,2,4-Trimethylbenzene	<5	5
1,3,5-Trimethylbenzene	<5	5
Vinyl chloride	<5	5
m,p-Xylenes	<2	2
o-Xylene	<2	2
sec-Butylbenzene	<5	5
tert-Butylbenzene	<5	5

MRL: Method Reporting Limit



# AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

5764 - 1 - 126

739 . . . . 920 9765 ETON AVE., CHATSWORTH, CA 91311

DATE: 417/8/

AA Client Richard	(. S/ade & ASSUC.	Phone Sampler's Sampler's Name	is Exp.	all stars.
<u>ē</u>	L'AMENACO			
Project Name Pooling	hoese	Project No. S2015   Project No.	Project Manager's Signature	the marks
CETR)506	-04/8 Phone	ANALYSIN REQUIRED (Test Name)	st Name)	
(1) ON	-611			Special Test Requirements / Comments
121 1	till wobod, cot		<u> </u>	i.e Turnaround Time
Client's A.A. I.D.	Date Time Sample Number of Type Containers			Detection Limits, Data Package )
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Samples Properly Cooled		Refragabal by:	Date Time	Received by:
Samples Accepted	Yes V			
If Not Why:		Reinquished by:	Date Time	Received by:
AA Project No.	4 4 40 CJ	Refinquished by:	Date Time	Received by:
	)))			



# APPENDIX 5 CEMENT DELIVERY TICKETS

1.1

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CONTROL 7705367 OPEN PDAYS	
P.O. BOX 33140, RIVERSIDE, CA 92519 PHONE (300) 834-7557	9
#1 RIVERSIDE :6830 VAN BUREN BLVD #2 MORENO VALLEY: 12890 DAY STREET #3 SUN CITY - 27050 WATSON ROAD #14 PASADENA - 14 #4 FONTANA - 13792 SLÖVER AVE. #5 POMONA - 2470 POMONA BLVD. #5 POMONA - 2470 POMONA BLVD. #6 HEMENTSAN LACITYO - 1475 STATE STORES #1 CABAZON - 13990 APACHE TRAIL #16 ANAHEIM - 201 #11 CABAZON - 13990 APACHE TRAIL #17 SANTA ANA - 31	#19 ADEL ANTO - 12203 VIOLET RD. #20 SAI CLEMENTE - 116 RINCON CT. #21 IRVINE - 16681 CONSTRUCTION CIR. WEST E. COMMERCIAL STREET #22 NO. HOLLYWOOD - 13122 RAYMER STREET #23 PARAMOUNT - 7277 E, ROSEGRANS AVE. #24 RIALTO - 2601 N. ALDER AVENUE
PLANT DATE CUSTOMER NO. SOLD TO:	MAP PAGE TICKET NO.
23 05/17/01 53680 BEYLIK DRILLING INC TXCD DELIVERY ADDRESS & INSTRUCTIONS	764A3 7985367 CUSTOMER PO. / JOB OR LOT #
ENTER GATE AT HARBOR GATE	05-9430 60098
AND FRANCISCO TORRANCE	(562)691-0903LAST TKS
Job Phone : (562)755-5813	
CPU NO. METER READING TIME TYPED TRUCK LIC NO.	
542 2200.00 12:50 5G28674 DEAN	
LOAD NO. SLUMP TRUCK DRIVER	
1 2.00 568 1862 GUERRO EDUARDO	STRUCTURES
TO JOB 13 DRUM REVS. Job-site Cylinder lest: START Yes TIME ON JO	
ON JOB 19 Water added on job at Customer's request: STAND BY	MIN. CHECK AMOUNT BY
START POUR gals to Full Ltd. RATE OF X	\$ PER MIN. CASH
FINISH POUR gals to 2/3 Ld.	AMOUNT BY PLANT MGR SIG
LEAVE JOB gals to 1/3 Ld.	OVERTIME CHARGE FLOWY, MIGH SIG
ARRIVE PLANT.  Additional water added to this concrete will reduce its strength. Any water added is at customer's own risk.	4 min. per yd. free unloading time allowed. Additional unloading time charged at current hourly truck rate.
In consideration of Robertson's delivering the described material to a place designated by the Customer, the Customer hereb	v releases and agrees to indemnify and hold harmless Robertson's and
In consideration of Robertson's delivering the described material to a place designated by the Customer, the Customer hereby its employees from all liability or claims for damage done by them, resulting from the movement of Robertson's vehicles upon Customer acknowledges that the described material has been chosen and selected solely by Customer without Robertson's the material is to be used. Customer agrees to defend, indemnify, and hold Robertson's harmless from all liability or claims for inconsistent with plans and specifications, or with the ground soils or conditions on the land where the material is utilized, to the event Robertson's retains the services of an attorney to collect payment for the described materials, the Customer agrees to Customer agrees to pay a time price differential of 1/2% per month on any amounts owed to Robertson's for more than thirty (3.10 per month on any amounts owed to Robertson's for more than thirty (3.10 per month on any amounts owed to Robertson's for more than thirty (3.10 per month on any amounts owed to Robertson's for more than thirty (3.10 per month).	or about the delivery location.  axing reviewed any plans or specifications relating to the project on which damage relating to said material being inappropriate, incompatible, improper or e fullest extent permitted by law. pay reasonable attorney's fee's incurred by Robertson's.
MIX AND COMMODITY	UNIT OF TIMIT
QUANTITY QUANTITY CODE DESCRIPTION	MEASURE PRICE AMOUNT
4.00 4.00 4.00 963 21 SK-NEAT W/AS	Н СҮ
현상 그리를 즐겁니다. 그리고를 그는 그리고를 하고 한다.	

AGREED TO AND RECEIVED BY CUSTOMER

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

ROBERTSON'S WEIGHMASTER

Jerry Atkins

STAND BY CHARGE

TAX

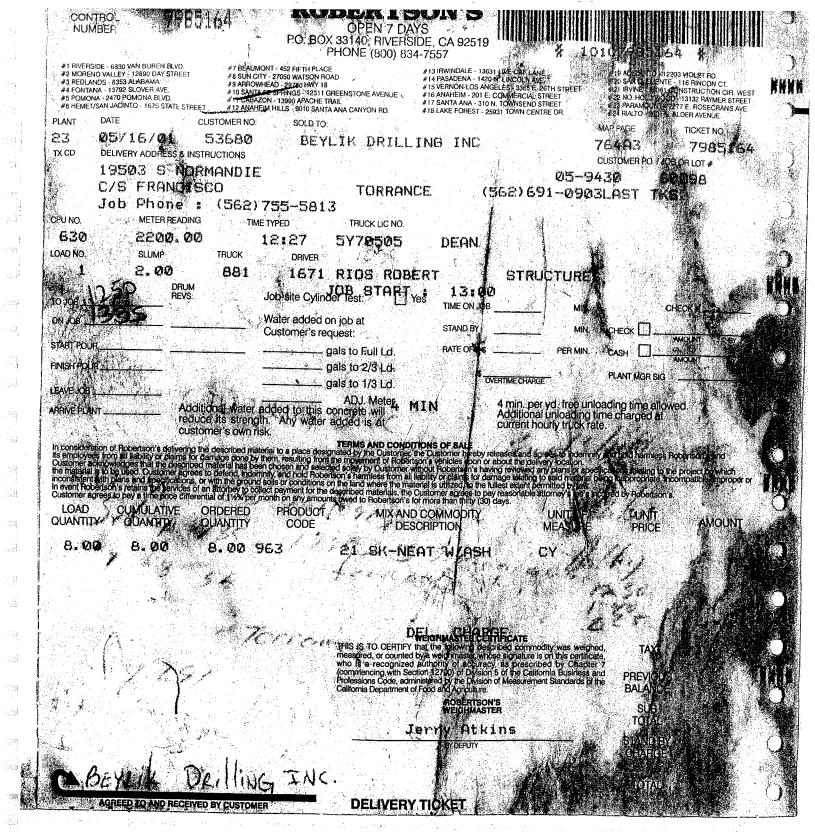
**PREVIOUS** BALANCE

> SUB TOTAL

TOTAL

**DELIVERY TICKET** 

**MUSHROOM CAP TICKET** 



# 10 FOOT TO 186 FOOT CEMENT SEAL TICKET

, NO	NTROL [1] 14 MBER		P.O. BOX	OPEN 7 DA 33140, RIVERS HONE (800) 83	AYS SIDE, CA 92519	A Comment of the Comm		A CONTRACTOR OF THE CONTRACTOR	AH
#2 MORE #3 REDL/ #4 FONT/ #5 POMO	ISIDE - 6830 VAN BUREN BLVD. NO VALLEY - 12890 DAY STREET ANDS - 8353 ALABAMA ANA - 13792 SLOVER AVE. NA - 2470 POMONA BLVD. T/SAN JACINTO - 1675 STATE STRE	#8 SUN CITY - #9 ARROWHE #10 SANTA FE #11 CABAZON	F I IT - 452 FIFTH PLACE - 27050 WATSON ROAI AD - 29750 HWY 18 E SPRINGS - 12311 GR N - 13990 APACHE TRA I HILLS - 9010 SANTA /	DREENSTONE AVENUE	# 13 IRWINDALE - 13 #14 PASADENA - 14 #15 VERNON-LOS AI #16 ANAHEIM - 201 #17 SANTA ANA - 31		# 20 SAN CLEM ET # 21 IRVINE - 16 # 22 NO. HOLLY # 23 PARAMOUI	1- 12203 VIOLET RD. 1- 12203 VIOLET RD. 1- 116 RINCON CT. 108 I CONST RUCTION CIR. WEST WOOD - 13132 RAYMER STREET 101 N. ALDER AVENUE	Ų.
PLANT	DATE	CUSTOMER NO:	SOLD TO:			•	MAP PAGE	TICKET NO.	
: 23	95/11/01	53680	GEYL	IE ORILL		-	76493	9804173	
TX CD	DELIVERY ADDRESS & INS	STRUCTIONS:					CUSTOMER P.O.	/ JOB OR LOT #	4.
	19503 S. NO	DRMANDLE	•			95	-9430	60096	
	ENTER OFF I	TRANCISO	orp.	TORREH	40.k	CENE 1691-0	903LAST )	TKE)	
	Job Phone	: (962) 7	755-5711	m-					
CPU NO.	METER READING	3 TIME	TYPED	TRUCK LIC NO.					XX
530	2200.0%	ð i	2:46	5471866	DEAN				11 11 1
LOAD NO.	SLUMP	TRUCK	DRIVER		es.				
1.	2.00	910		CHAVEZ, E		SLURRY			
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TO JOB	1724	· · · · · · · · · · · · · · · · · · ·			TIME ON BO	)B	MIN.	CHECK #	
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WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

ROBERTSON'S WEIGHMASTER

Jerry Atkins

SUB TOTAL

STAND BY

TAX

**PREVIOUS** BALANCE

CHARGE

TOTAL

AGREED TO AND RECEIVED BY CUSTOMER

186 FOOT TO 599 FOOT CEMENT SEAL TICKET

CONTROL
NUMBER

8004600

AGREED TO AND RECEIVED BY CUSTOMER

ROBERTSON S
OPEN 7 DAYS
P.O. BOX 33140 RIVERSIDE, CA 92519



#2 MORENC #3 REDLANI #4 FONTAN	DE - 6830 VAN BUREN BLVD, ) VALLEY - 12890 DAY STREET DS - 8353 ALABAMA A - 13792 SLOVER AVE. A - 2470 POMONA BLVD.	#8 SUN CIT #9 ARROWI #10 SANTA	DNT - 452 FIFTH PLACE Y - 27050 WATSON ROAD HEAD - 29750 HWY 18 FE SPRINGS - 12311 GRE ON - 13990 APACHE TRAI	ENSTONE AVENUE	#13 IRWINDALE - 13631 LIVE #14 PASADENA - 1420 N. LIN #15 VERNON-LOS ANGELES #16 ANAHEIM - 201 E. COMM	ICOLN AVE. - 3365 E. 26TH STREET MERCIAL STREET	#22 NO. HOLLYWOOD	R3 VIOLET RD. 116 RINCON CT. DNSTRUCTION CIR WEST -13132 RAYMER STREET 77 E. ROSECRANS AVE.
	SAN JACINTO - 1675 STATE STE		ON - 13990 APACHE THAI IM HILLS - 9010 SANTA A		#17 SANTA ANA - 310 N. TOV #18 LAKE FOREST - 25931 TO	OWN CENTRE DR,	#23 PAHAMOUNT - 72 #24 RIALTO - 2601 N. A	LDER AVENUE
PLANT	DATE	CUSTOMER NO:	SOLD TO:			<b>.</b>	MAP PAGE	TICKET NO.
13. *3. 13. swf	05/11/01	53680	BEYL	IN ORILL	ING INC	7	6463	0204660
TX CD	DELIVERY ADDRESS & IN	NSTRUCTIONS				C	CUSTOMER P.O. / JOE	OR LOT #
	19503 S. N	IORMANDI	from top		*	W5-94		1098
	ENTER OFF	FRANCIS	CO	TORRAN		2)691-0903		918
	Job Phone	: (562)	755-5711	ENTR	SWO DRAMA I	E/HARBORGA	ITE DN DP	RD RD
CPU NO.	METER READI	NG TIM	E TYPED	TRUCK LIC NO.				
530	eeoo. o	12	14:10	6D83776	DEAN			
LOAD NO.	SLUMP	TRUCK	DRIVER					
2	2.00	955	2250	RILEY JE	FF	SLURRY	*	
سر	ORUI		John oite Outin J	OB START	V- 6 8			
TO JOB	5.5C REVS	<b>5:</b>	Job-site Cylinde	er iest:	Yes TIME ON JOB	MIN.	. С	HECK #
ON JOB	15:05		Water added on		STAND BY	MIN.	снеск П	
<b>7</b>	15:0	1170	Customer's requ	uest:	1.44			AMOUNT BY
START POUR			ga	als to Full Ld.	RATE OF X \$	PER MIN.	CASH L	AMOUNT BY
FINISH POU	1.5.4/	*	ga	als to 2/3 Ld.	\$	<u> </u>	PLANT MGR SIG	<u> </u>
. E.N.E. 10D		•	ga	als to 1/3 Ld.	OVERT	IME CHARGE		1
LEAVE JOB _ ARRIVE PLAN	re	dditional water duce its streng ustomer's own r	added to this courth. Any water a	oncrete will	A	min. per yd. free unk dditional unloading t urrent hourly truck ra	ime charged at	ved.
In considera its employee Customer as the material inconsistent In event Rob Customer as	ation of Robertson's delivering from all liability or claims cknowledges that the desor is to be used. Customer ago with plans and specification bertson's retains the service grees to pay a time price difference of the price of the service of the	ng the described ma for damage done by ibed material has be trees to defend, inde ns, or with the groun s of an attorney to co fferential of 11/2% per	aterial to a place design y them, resulting from t een chosen and selecte mnify, and hold Robert d soils or conditions or blect payment for the d month on any amount	TERMS AND CONE nated by the Custome he movement of Robe de solely by Customer son's harmless from a n the land where the m lescribed materials, th s owed to Robertson's	ortions of sale r, the Customer hereby releaserson's vehicles upon or advition without Robertson's having all liability or claims for damag- laterial is utilized, to the fulles e Customer agrees to pay re s for more than thirty (30) day	ses and agrees to indemnii ut the delivery location. reviewed any plans or spec pe relating to said material is t extent permitted by law. asonable attorney's fee's ir s.	fy and hold harmless I bifications relating to the being inappropriate, in acurred by Robertson'	Robertson's and ne project on which compatible, improper or s.
LOAD	CUMULATIVE	ORDERED	PRODUCT	1A XIM	ID COMMODITY	UNIT OF	UNIT	
QUANTIT	Y QUANTITY	QUANTITY	CODE	DE	SCRIPTION	MÉASURE	PRICE	AMOUNT
8.0	0 16.00	16.00	963	21 SK-N	EAT W/ASH	CY		
			•					
	•							
					ji			
gal.	elektron og till			measured, or count who is a recognize (commencing with S Professions Code, as	WEIGHMASTER CENTIFY That the following describ ed by a weighmaster, whose ed authority of accuracy, a section 12700) of Division 5 dministered by the Division 5 of to of Food and Agriculture.	ed commodity was weigh signature is on this certifica as prescribed by Chapte of the California Business	ate, er 7 and previoue	
e (j	i de la companya di salah di s	40 p		_smos population	ROBERTSON'S		SUB	
14.5					WEIGHMASTER		TOTAL	
	4				Dave Galia:			

186 FOOT TO 599 FOOT CEMENT SEAL TICKET

**DELIVERY TICKET** 

STAND BY CHARGE

**TOTAL** 



# APPENDIX 5 CEMENT DELIVERY TICKETS

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CONTROL 7985367 OPEN 7-DAYS P.O. BOX 33140, RIVERSIDE, CA 92519 PHONE (800) 834-7557	<pre></pre>
#1 RIVERSIDE - 6830 VAN BUREN BLVD. #2 MORENO VALLEY - 12890 DAY STREET #3 REDLANDS - 8353 ALABAMA #9 ARROWHEAD - 29750 HWY 18 #4 FONTANA - 13792 SLOVER AVE. #5 POMONA - 2470 POMONA BLVD. #6 HEMÉT/SAN JACINTO - 1675 STATE STREET #10 SANTA FE SPRINGS - 12311 GREENSTONE AVENUE #11 CABAZON - 13990 APACHE TRAIL #17 SANTA ANA - 310 N. TOWNSEN #12 ANAHEIM HILLS - 9010 SANTA ANA CANYON RD. #18 LAKE FOREST - 25931 TOWN C	AVE. #20 SAN CLEMENTE - 116 RINCON CT. E. 26TH STREET #21 IRVINE - 16081 CONSTRUCTION CIR. WEST L STREET #22 NO. HOLLYWOOD - 13132 RAYMER STREET D STREET #23 PARAMOUNT - 7277 E. ROSECRANS AVE
PLANT DATE CUSTOMER NO. SOLD TO:	MAP PAGE TICKET NO.
23 05/17/01 53680 BEYLIK DRILLING INC TX CD DELIVERY ADDRESS & INSTRUCTIONS	764A3 7985367 CUSTOMER PO. / JOB OR LOT #
Job Phone: (562)755-5813 CPU NO. METER READING TIME TYPED TRUCK LIC NO.	05-9430 60098 591-0903LAST TKS
542 2200.00 12:50 5G28674 DEAN	
LOAD NO. SLUMP. TRUCK DRIVER  1 2.00 568 1862 GUERRO EDITORDO STE	
To the control of the	NUCTURES
TO JOB 13 OF TIME ON JOB	MIN. CHECK#
ON JOB 1915 Water added on Job at	MIN. CHECK #
Customer's request:	MIN. CHECK AMOUNT BY
START POUR gals to Full Ld. RATE OF X\$	PER MIN. CASH
FINISH POUR gals to 2/3 Ld.	AMOUNT BY PLANT MGR SIG
LEAVE JOB gals to 1/3 Ld.	INGE FONT MIGH SIG
Additional water added to this concrete will Additional water added to this concrete will Additional water added to this concrete will Additional water added is at current	per yd. free unloading time allowed. nal unloading time charged at hourly truck rate.
In consideration of Robertson's delivering the described material to a place designated by the Customer, the Customer hereby releases and its employees from all liability or claims for damage done by them, resulting from the movement of Robertson's vehicles upon or about the Customer acknowledges that the described material has been chosen and selected solely by Customer without Robertson's having reviewe the material is to be used. Customer agrees to defend, indemnity, and hold Robertson's harmless from all liability or claims for damage relating the results of the plans and specifications, or with the ground solls or conditions on the land where the material is utilized, to the fullest extent in event Robertson's retains the services of an attorney to collect payment for the described materials, the Customer agrees to pay a time price differential of 1½% per month on any amounts owed to Robertson's for more than thirty (30) days.	agrees to indemnify and hold harmless Robertson's and lelivery location. d any plans or specifications relating to the project on which of to said material being inappropriate, incompatible, improper or permitted by law. le attorney's fee's incurred by Robertson's.
LOAD CUMULATIVE ORDERED PRODUCT MIX AND COMMODITY QUANTITY QUANTITY CODE DESCRIPTION	UNIT OF UNIT AMOUNT MEASURE PRICE AMOUNT
4.00 4.00 4.00 963 21 SK-NEAT W/ASH	CY
THIS IS TO CERTIFY that the following described con measured, or counted by a weighmaster, whose signatu who is a recognized authority of accuracy, as present the commencing with Section 12700) of Division 5 of the C	modity was weighed, re is on this certificate, cribed by Chificate 7 afternia Business and
Professions Code, administered by the Division of Measur California Department of Food and Agriculture	ement Standards of the BALANCE

**DELIVERY TICKET** 

AGREED TO AND RECEIVED BY CUSTOMER

ROBERTSON'S WEIGHMASTER

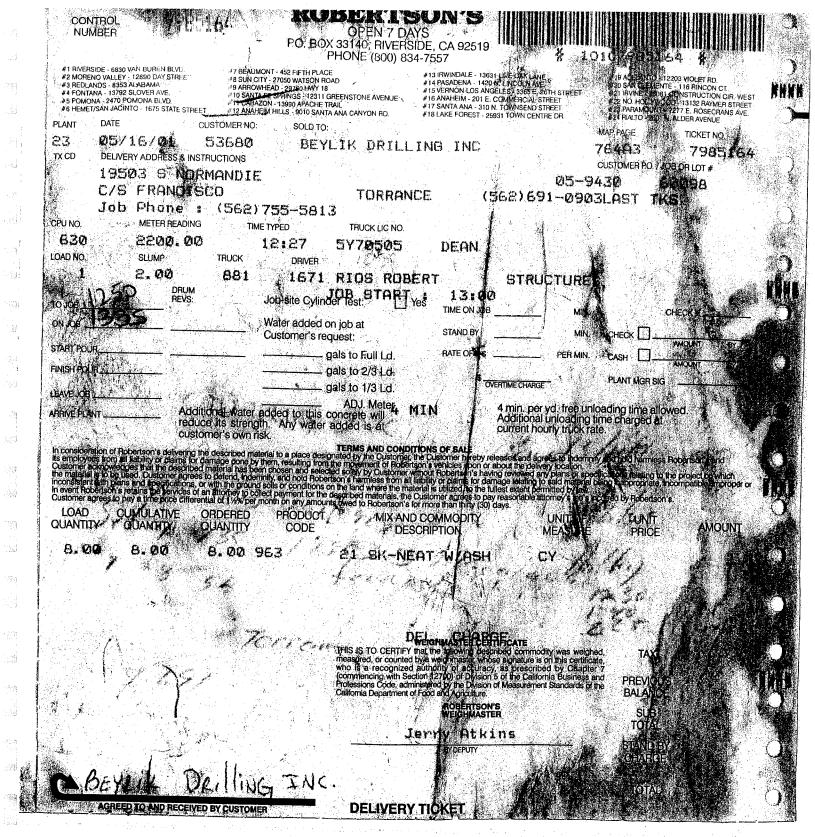
Jerry Atkins

**MUSHROOM CAP TICKET** 

> SUB TOTAL

STAND BY CHARGE

TOTAL



10 FOOT TO 186 FOOT CEMENT SEAL TICKET

	tvet is	THE PART OF THE PA		BERTS	SON'S				i i
	TROL	104573		OPEN 7 DA					21171
NUN	MBER NOTE OF THE PROPERTY OF T		P.O. BOX	( 33140, RIVERS	SIDE, CA 92519				HH
				PHONE (8 <mark>0</mark> 0) <b>8</b> 3	84-7557	+ 1	ordenov:	573 <b>#</b>	Fo and
	SIDE - 6830 VAN BUREN BLI NO VALLEY - 12890 DAY STE		JMONT - 452 FIFTH PLAC CITY - 27050 WATSON RO	E	#13 IRWINDALE - 1363 #14 PASADENA - 1420		#19 ADELANTO	) - 12203 VIOLET RD. ENTE - 116 RINCON CT.	Ø.
#3 REDLA	NDS - 8353 ALABAMA NA - 13792 SLOVER AVE.	#9 ARRO	DWHEAD - 29750 HWY 18 ITA FE SPRINGS - 1231 I		#15 VERNON-LOS ANG	GELES - 3365 E. 26TH STREET COMMERCIAL STREET	#21 IRVINE - 16	6081 CONSTRUCTION CIR. WEST WOOD - 13132 RAYMER STREET	
#5 POMO! #6 HEMET	NA - 2470 POMONA BLVD. 7SAN JACINTO - 1675 STAT	#11 CAE	BAZON - 13990 APACHE T AHEIM HILLS - 9010 SANT	RAIL	#17 SANTA ANA - 310 I	N. TOWNSEND STREET 5931 TOWN CENTRE DR.	#23 PARAMOU	NT - 7277 E. ROSECRANS AVE.	
PLANT	DATE	CUSTOMER NO				SON TOTAL BANK	MAP PAGE	TICKET NO.	
1 2 3 23	05/11/01	53680	BEY	LIEST NEEL	TMG TWO	٠.	7 <b>6</b> 463	0994573	**
TX CD	DELIVERY ADDRESS	& INSTRUCTIONS					CUSTOMER P.O.	/ JOB OR LOT #	Ŵ.
	19503 S.	MORMAND	XE			:JID	9430	6.0098	
	SHITER OF	F FRANCI	900	TORRAK	(C.E. )	See 1691-09	OBLAST :	/ JA 23	
:	Job Fhon	e a (S62	) 755-571	***					
CPU NO.	METER RE	ADING T	IME TYPED	TRUCK LIC NO.					X X
530	0200	. (20)	12:46	5Y71266	DEAN				11 14 1
LOAD NO.	SLUMP	TRUCK	DRIVER		- a 				
1.	2.00	910	267	CHAVEZ, E	COMPLET	SLURRY			
		ORUM REVS:	Job-site Cylin	TOTAL STAIR	Yes 12:31	0			
TO JOB	1274		•		TIME ON JOE	3 MI	N.	CHECK #	
ON JOB _	1000.		Water added Customer's re		STAND BY	MI	N. CHECK		
START POL	1840 -			gals to Full Ld.	RATE OF X \$	PER MI	N. CASH	AMOUNT BY	
;				gals to 2/3 Ld.	3, ,,		THE CASE LL	AMOUNT BY	
FINISH PO	UH			gals to 1/3 Ld.	\$ -7	OVERTIME CHARGE	PLANT MGR	SIG	
LEAVE JOE	3		-	ADJ. Meter				- II d	
ARRIVE PLA	ANT	Additional water	er added to this	concrete will	M. T.	4 min. per yd. free Additional unloadir	unioading time ng time charged	allowed. I at	
1		customer's owi	ngth. Any wate			current hourly truck	k rate.		
In conside	ration of Robertson's de	livering the described	matérial to a place de	TERMS AND CON	DITIONS OF SALE			nless Robertson's and ig to the project on which ate, incompatible, improper or rtson's.	
its employ	ees from all liability or cla acknowledges that the	aims for damage done lescribed material has	by them, resulting fro	m the movement of Rob	ertson's vehicles upon c	or about the delivery location	emnily and noid nam ). 	liess Hobertson's and	
the materia	al is to be used. Customent with plans and specific	er agrees to defend, in	demnify, and hold Rob and soils or conditions	ertson's harmless from	all liability or claims for d	lamage relating to said mate fullest extent permitted by it	rial being inappropri	ate, incompatible, improper or	
In event Ro Customer	obertson's retains the se agrees to pay a time pric	rvices of an attorney to be differential of 11/2% p	collect payment for the	e described materials, tunts owed to Robertson	ne Customer agrees to p	pay reasonable attorney's fe	e's incurred by Robe	rtson's.	
LUAL	CUMULATI	/E ORDERE	PRODUC	MIXA	AD COMMODITY	UNIT C	PF UN	IT .	ยนเ
QUANT	ITY QUANTITY	' QUANTIT	CODE	D	ESCRIPTION	MEASU	RE PRI	CE AMOUNT	
8.0	ao é.oa	1.8. 02	96.3	F1 98-4	IEAT WZASI				
		*** **** ** *** ****		× × ×	conservation of the services	657 1			
* *									
								,	• •

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

ROBERTSON'S WEIGHMASTER

Jerry Atkins

TAX

**PREVIOUS** BALANCE

> SUB **TOTAL**

STAND BY **CHARGE** 

TOTAL.

AGREED TO AND RECEIVED BY CUSTOMER

**DELIVERY TICKET** 

186 FOOT TO 599 FOOT CEMENT SEAL TICKET

8004600 CONTROL: **NUMBER** P.O. BOX 33140, RIVERSIDE, CA 92519 PHONE (800) 834-7557 # 19 ADELANTO - 12203 VIOLET RD.
#20 SAN CLEMENTE - 116 RINGON CT.
#21 IRVINE - 16081 CONSTRUCTION CIR. WEST
#22 NO. HOLLYWOOD - 13132 RAYMER STREET
#23 PARAMOUNT - 7277 E. ROSECRANS AVE.
#24 RIALTO - 2601 N. ALDER AVENUE #1 RIVERSIDE - 6830 VAN BUREN BLVD. #2 MORENO VALLEY - 12890 DAY STREET #7 BEAUMONT - 452 FIFTH PLACE #8 SUN CITY - 27050 WATSON ROAD #13 IRWINDALE - 13631 LIVE OAK LANE #14 PASADENA - 1420 N LINCOLN AVE #3 REDLANDS - 8353 ALABAMA #4 FONTANA - 13792 SLOVER AVE. #5 POMONA - 2470 POMONA BLVD. #6 HEMET/SAN JACINTO - 1675 STATE STREET #9 ARROWHEAD - 29750 HWY 18 #10 SANTA FE SPRINGS - 12311 GREENSTONE AVENUE #11 CABAZON - 13990 APACHE TRAIL #12 ANAHEIM HILLS - 9010 SANTA ANA CANYON RD. #15 VERNON-LOS ANGELES - 3365 E. 26TH STREET #16 ANAHEIM - 201 E. COMMERCIAL STREET #17 SANTA ANA - 310 N. TOWNSEND STREET #18 LAKE FOREST - 25931 TOWN CENTRE DR. CUSTOMER NO: SOLD TO: MAP PAGE TICKET NO. PLANT 23 05/11/01 53680 BEYETK DRILLING INC 76463 8004660 CUSTOMER P.O. / JOB OR LOT # TX CD **DELIVERY ADDRESS & INSTRUCTIONS** M5-9430 50098 19503 S. NORMANDIE (562)691-0903LAST TKS 910 ENTER OFF FRANCISCO TURRANCE ENTR 2ND DRUWY E/HARBORGATE DN DRT RD (562)755-5711 Job Phone a METER READING TIME TYPED TRUCK LIC NO. CPU NO. 530 2200.00 14118 6D83776 DEAN LOAD NO. SLUMP TRUCK DRIVER 2250 RILEY JEFF 2.00 SLURRY 955 Job-site Cylinder Test: STAPT Yes TIME ON JOB MIN. CHECK # Water added on job at MIN. CHECK STAND BY Customer's request: RATE OF X \$ PER MIN. gals to Full Ld. CASH gals to 2/3 Ld. PLANT MGR SIG S OVERTIME CHARGE gals to 1/3 Ld. LEAVE JOB ADJ. Meter, 4 min. per yd. free unloading time allowed. Additional unloading time charged at current hourly truck rate. Additional water added to this concrete will ARRIVE PLANT reduce its strength. Any water added is at customer's own risk. TERMS AND CONDITIONS OF SALE In consideration of Robertson's delivering the described material to a place designated by the Customer, the Customer hereby releases and agrees to indemnify and hold harmless Robertson's and its employees from all liability or claims for damage done by them, resulting from the movement of Robertson's vehicles upon or about the delivery location.

Customer acknowledges that the described material has been chosen and selected solely by Customer without Robertson's having reviewed any plans or specifications relating to the project on which the material is to be used. Customer agrees to defend, indemnify, and hold Robertson's harmless from all liability or claims for damage relating to said material being inappropriate, incompatible, improper or inconsistent with plans and specifications, or with the ground soils or conditions on the land where the material is utilized, to the fullest extent permitted by law.

In event Robertson's retains the services of an attorney to collect payment for the described materials, the Customer agrees to pay reasonable attorney's fee's incurred by Robertson's. Customer agrees to pay a time price differential of 1½% per month on any amounts owed to Robertson's for more than thirty (30) days.

LOAD QUANTITY	CUMULATIVE QUANTITY	QUANTITY	CODE	DESCRIPTION			MÉASURE	PRICE	AMOUNT
8.00	16.00	16,00	963	21	SK-NEAT	W/ASH	CY		

WEIGHMASTER CERTIFICATE THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

ROBERTSON'S WEIGHMASTER

Dave Galias

BY DEPUT

**PREVIOUS BALANCE** 

TAX

SUB TOTAL

STAND BY CHARGE

**TOTAL** 

AGREED TO AND RECEIVED BY CUSTOMER

**DELIVERY TICKET** 

186 FOOT TO 599 FOOT CEMENT SEAL TICKET